UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

S
PLANS-Klamath
Horse Creek Working Circle

May
March 12, 1954

STREAMLINED MANAGEMENT PLAN

HORSE CREEK WORKING CIRCLE

KLAMATH NATIONAL FOREST

CALIFORNIA

TIMBER MANAGEMENT
FILE COPY

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S
PLANS-Klamath
Timber Management
Horse Creek Working Circle

May 12, 1954

STREAMLINE MANAGEMENT PLAN

HORSE CREEK WORKING CIRCLE

Revision submitted by:

J. E. Moore
District Ranger

Revision approved:

June 15, 1954

R. W. Bower
R. W. Bower, Forest Supervisor

AUG 10 1954, 1954

C. B. Wilson
ACTING Regional Forester

JRB

1 approved copy sent Chief, F.S. 8/10/54
2 " copies " Forest 8/10/54

TIMBER MANAGEMENT
FILE COPY

STANDARD FORM NO. 64 U. S. FOREST SERVICE YREKA, CALIFORNIA

Office Memorandum • UNITED STATES GOVERNMENT

E.S. RECEIVED SEP 29 1958 Referred to Timber Management

TO : REGIONAL FORESTER DATE: September 25, 1958

FROM : FOREST SUPERVISOR - Klamath, By

SUBJECT: S - PLANS - Klamath - Timber Management - Horse Creek Working Circle.

Amendment to Horse Creek Working Circle Management Plan.

Due to a realignment of working circle boundaries the allowable annual cut for the Horse Creek Working Circle has been revised from the volume of 11.5 MM Ft. B.M. stated in the Streamline Management Plan for the Horse Creek Working Circle, dated May 12, 1954.

The new allowable annual cut of 10.0 MM Ft. B.M. is the result of moving the Yreka Working Circle boundary to coincide with the Yreka district boundary. The age class-density delineation base maps of affected area were observed and the areas of each type recorded by a dat-grid count. Average growth per acre factors for each type, from the original streamline management plan, were applied to these acreage figures to arrive at an annual growth figure for the entire working circle. The formula, A.A.C. = 1.5 x Annual Growth, was applied and this amount subtracted from the original allowable cut volume left 10 MM Ft. B.M.

The allowable annual cut volume lost on the Horse Creek Working Circle will be gained on the Yreka and North Scott Valley Working Circles. The allowable annual cut was recently calculated for the Yreka Working Circle after a complete timber inventory, using the Austrian Formula. An increase of .7 MM Ft. B.M. over the allowable annual cut shown in the streamline management plan, resulted in spite of the loss incurred by the Hay-stack Burn. A gain of .3 MM Ft. B.M. was calculated for the North Scott Valley Working Circle, using the same method as described above.

The recalculation results in a reduction of approximately 185 MM Ft. B.M. gross volume from the working circle, leaving a total of 724 MM Ft. B.M. gross volume.

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2 - S-Plans - Klamath, Timber Management-
9/25/58 Horse Creek Working Circle

Your approval of these changes is requested.

William M. Gerow

Revision Approved:

November 20 ,1958

Grant A. Morse

Acting Regional Forester

JAB

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      (2) Ownership

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I. RESOURCE DATA:

TABLE I.

AREA M ACRES

OWNERSHIP	Productive Timber Land Density 1,2,3 Uncut	Cutover	Non-Productive Land Includes Density 4 & 5	GRAND TOTAL
National Forest	32.1	1.3	30.6	64.0
Private	12.9	2.8	9.1	24.8
TOTAL	45.0	4.1	39.7	88.8

TABLE II.

NET VOLUME

OWNERSHIP	MERCHANTABLE VOLUME MMBM Original Stand	Cut thru 1952	Remaining
National Forest	909	12	897
Private	388	50	338
TOTAL	1297	62	1235

The land ownership pattern consists of intermingled Government and private sections. Ninety-five percent of the private ownership by volume is owned by two companies - Long Bell Lumber Company and the Southern Pacific Railroad.

There has been 12 MM feet of National Forest timber sold from the Horse Creek Working Circle. Long-Bell and Southern Pacific timber has not been cut to date. The greatest portion of the minor ownership has been logged.

Management is based on Forest Service land. Cooperation on development of transportation system and harvesting may be arranged with Long-Bell and Southern Pacific.

6/23/54

II. TRANSPORTATION SITUATION:

There are two existing mills, one at Horse Creek and a small mill at Hamburg. There are two main routes for the timber to be brought out to mill and railroad; namely:

1. Klamath River State Highway - Route 96 connecting to U.S. 99 to bring timber to railroad at Yreka. Needs much improvement. Forest Highway. State, Bureau of Public Roads and Forest Service responsibility.

2. Main Horse Creek - Present access is across the Klamath River on a private logger's bridge or an inadequate County bridge at the Horse Creek Store. New access to Horse Creek and an adequate public road is needed up main Horse Creek for three miles. Forest Service and County responsibility.

The remainder of the roads on the transportation system map should be brought to economical log hauling standards by timber operators, under supervision of a Forest Service engineer, during the course of sales. Temporary spur roads should be constructed by operators in locations approved by the Forest Service.

III. SILVICULTURAL SYSTEM:

Cutting will be on a selective basis designed to decrease losses by removal of poor risk trees and to improve growing conditions in the stand. It is estimated that marking on the above basis will result in removing approximately 40% of the volume during the first cutting cycle. See R-5 Timber Management Handbook for marking instructions.

Instances may arise where the cost of operation is such that stands of true fir or scattered pine and Douglas fir are not economically operable on the above basis. These stands should ordinarily be deferred until later in the cutting cycle when they will be operable. When silvicultural or economic conditions are such that these stands must be logged, the least thrifty of the overmature trees may be marked if this will make the stand operable.

IV. ANNUAL CUT: 11.5 MM Ft. BM - 1st cycle 32 years.

To place the overmature stand in an operable and growing condition,

and utilize the high risk trees, the allowable cut for the first cutting cycle is established on the basis of 1½ times the growth expected on the reserve stand after logging. Net annual growth for the working circle is established at 7,700 M feet, based on permanent plot growth factors obtained during the Beaver Creek B.R.C. study of 1949-50, see appendix for calculations. On this basis the allowable annual cut would be 11.5 MM feet. In order to coordinate harvesting with private land cutting and to permit the most efficient development of a transportation system for the intermingled ownerships, the allowable cut for National Forest timber is estimated on a periodic basis. Not more than 34.5 million feet of National Forest timber will be cut during any three year period during the first cutting cycle.

On the basis of an average allowable cut of 11.5 MM per year and an estimated 364 MM feet total for the first cutting cycle, it will take 32 years to complete the cycle. The allowable cut during the second cutting cycle will not exceed current net growth.

V. SALES POLICY:

Timber Cutting and Recreation: Cutting on roadside strips along the following roads will be regulated as to preserve recreational values:

a. Klamath River Highway - 300 foot strip on either side of center line.

b. Horse Creek - 300 foot strip on either side of center line to Salt Gulch.

c. Scott River County Road - 200 foot strip.

Timber will be appraised to the nearest sawmill, railhead combination, but logs may be processed anywhere. Sales will be of sufficient size for a one or two year. Bidding will be in accord with Regional Policy NFM-B-204.11, R-5 Supplement.

The allowable cut will be offered on a basis that will permit the best development of access to the intermingled ownership and encourage a uniform annual cut from the combined ownerships. Areas with the greatest proportion of poor risk trees should be cut early in the cutting cycle. Fir stands will be offered at times when the market permits their operations. Slash will be diposed of in accordance with Regional policy. NF Title 7, 102.13.

Erosion control measures will be undertaken in accordance with policy established in NF Title 7, 212.53.

In readily accessible places Incense Cedar ~~will~~ may be reserved from timber sales for later fence post sales to local ranchers.

Klamath Forest

Horse Creek W.C.

Seiad R. D.

CUTTING BUDGET AND SALES PROGRAM

(To Be Revised Annually By February 15)

Fiscal Year 19 59 Through 19 64

Sale Designation or Proposed Sale	Date To Be Advertised	Volume & Area		Fiscal Year Estimated Cut By Year (MM)						Access Road Construction Required					
										Forest Service			Purchaser		Standard
		MM	Acres	1959	1960	1961	1962	1963	1964	No.	Miles	Cost	Road No.	Miles	Cost
UNDER CONTRACT:				2nd hf.											
Robinson Gulch	---	13.5	900	5.0	8.5								4714	3.3	SH-16
Schutts Gulch	---	4.5	525	1.0	3.5								4714D	3.5	SL-12
Alder Meadows	---	1.9	300	.5									46N60	3.5	SH-16
PROPOSED SALES															
2nd Half F.Y. 1959													46N60	3.5	SH-16
Hamburg Gulch	4/15/59	4.0	960	2.0	2.0								46N55	0.2	"
													46N55A	1.7	SL-12
2nd Half F.Y. 1960													46N59	1.7	SH-16
Kuntz Creek	5/1/60	9.0	2060			9.0							46N59A	3.0	SL-12
													46N64	5.3	"
F.Y. 1961													47N87	1.5	"
Salt Gulch		6.0	1400			2.0	4.0						47N87A	0.5	"
													47N74	1.2	SH-16
													47N77	1.7	"
													47N67	0.8	"
													47N71	1.0	"
F.Y. 1962													47N76	1.5	"
Lamish		8.0	960				6.0	2.0					47N75	1.5	"
													47N74	0.8	"
													47N72	1.5	"
													47N81	1.8	
Totals -Sub	---	46.9	7105	8.5	14.0	11.0	10.0	2.0	---				---	39.5	---

Instructions: Include all sales under contract and sales proposed for advertising during budget period. Show sale volume to nearest tenth of MM feet and area of sale in acres for proposed sales, and uncut volume and area for existing sales. Show miles of required "on-system" road construction and estimated cost by project and sale. Indicate all sales not chargeable to allowaole annual cut by footnote, as 1/ Salvage, or 2/Thinnings in immature stands.

254-R5-MAY 1958

Klamath Forest
Horse Creek W.C.
Seiad R. D.

CUTTING BUDGET AND SALES PROGRAM
(To Be Revised Annually By February 15)
Fiscal Year 19 59 Through 19 64

Sale Designation or Proposed Sale	Date To Be Advertised	Volume & Area		Fiscal Year Estimated Cut By Year (MM)					Access Road Construction Required					
									Forest Service			Purchasers		Standard
		MM	Acres	1959 2nd hf.	1960	1961	1962	1963	Road No. 1964	Miles	Cost	Road No.	Miles	Cost
F. Y. 1963												47N81	1.5	SH-16
West Fork Horse Cr.		10.0	1840					8.0	2.0			47N70	3.5	"
												47N67	3.5	"
												47N71	1.5	"
F.Y. 1964												47N66	4.5	"
Johnsons Dairy		10.0	1840						8.0			47N81	4.4	"
												47N70	3.0	"
												47N67	1.6	"
												47N66	1.0	"
Tom Martin (Alt.)		(10.0)	(1800)									45N70.1	11.3	"
												46N65	3.2	"
												45N70.2	3.0	SL-12
Totals-Grand		66.9	10785	8.5	14.0	11.0	10.0	10.0	10.0			---	81.5	---

Instructions: Include all sales under contract and sales proposed for advertising during budget period. Show sale volume to nearest tenth of MM feet and area of sale in acres for proposed sales, and uncut volume and area for existing sales. Show miles of required "on-system" road construction and estimated cost by project and sale. Indicate all sales not chargeable to allowable annual cut by footnote, as 1/ Salvage, or 2/Thinnings in immature stands.

Management Plan 3/12/54

Horse Creek Working Circle — Klamath National Forest

Five-year Cutting Budget and Sale Program C.Y. ~~1955~~-1956-1957-1958-1959-1960 Inclusive.
(Show all sales under contract and sales proposed for advertising by year.)

Name of Sale or Proposed Sale & Date of Advertisement	Total Volume in Sale MBM	Estimated Cut for Each C.Y. 1955-1956-1957-1958-1959 Year	MBM	Acres	Access Road Construction (on System & M-4 Roads) Each Year — By Forest Service: Road Number	Miles	Cost	By Operator: Road Number	Miles	Cost
Sold McKinney CK	9,000	1956	9000	—				4611	4.0	35,000
X Robinson Gl.	13000		13000	—	4714	1.5	15,000	4714	8.0	88,000
X O'Neil CK.	1,500		1,500	—				4512A	1.0	5,000
Hamburg - Nigger CK	10,000	1957	10,000	—				4615	4.0	20,000
O'Neil CK	1,500		1,500	—				4512A	1.0	5,000
Salt Gulch	10,000	1958	10,000	—				4615	4.0	20,000
O'Neil CK	1,500		1,500	—						
Lower W. Fk Horse CK	10,000	1959	10,000	—				4713	3.4	15,000
O'Neil CK	1,500		1,500	—						
Upper W. Fk Horse CK	10,000	1960	10,000	—				4713	3.4	15,000
O'Neil CK	1,500		1,500	—						

Approved _____

Revised: _____ (Date)

By: _____

254-R5 Revised 12-27-54
Supersedes Revision 12-22-53

X Sales hope to sell in 1956

SEP 3 1956

Horse Creek Working Circle — Klamath National Forest

Five-year Cutting Budget and Sale Program C.Y. 1955-1956-1957-1958-1959 Inclusive.
(Show all sales under contract and sales proposed for advertising by year.)

Name of Sale or Proposed Sale & Date of Advertisement	Total Volume in Sale MBM	Estimated Cut for Each C.Y. 1955-1956-1957-1958-1959			Access Road Construction (on System & M-4 Roads) Each Year					
					By Forest Service			By Operator		
		Year	MBM	Acres	Road Number	Miles	Cost	Road Number	Miles	Cost
O'Neil Creek	1,500	55	1,500	160				4616	1	$6000
McKinney Creek	8,000	55	5,000	500				4611	4	$35,000
Robinson Gulch	5,000	55	5,000	500				4714	8	$64,000
Doggett Creek	3,000	55	3,000	300				4614	1	$8,000
O'Neil Creek	1,500	56	1,500	160				4512A	1	$ 5,000
Robinson Creek	10,000	56	10,000	1200				-	-	-
O'Neil Creek	1,500	57	1,500	160				4512A	1	$ 5,000
Robinson Gulch	3,000	57	3,000	320				~~4615~~ -	~~8~~ -	-
Hamburg Gulch	7,000	57	7,000	700				4615	8	$40,000
O'Neil Creek	1,500	58	1,500	160	4512A	2	$10,000	-	-	-
Hamburg Gulch	4,000	58	4,000	400				-	-	-
Lower Salt Gulch	6,000	58	6,000	600				4714	2	$16,000
O'Neil Creek	1,500	59	1,500	160				-	-	-
Lower Salt Gulch	~~1,~~5000	59	~~1,~~5000	500				-	-	-
Upper Salt Gulch	5000	59	5,000	500				4714	1	$ 8,000

Approved _____

Revised: _____ (Date)

By: _____

254-R5 Revised 12-27-54
Supersedes Revision 12-22-53

VI.

HORSE CREEK WORKING CIRCLE

KLAMATH NATIONAL FOREST

FIVE-YEAR CUTTING BUDGET AND SALE PROGRAM (C. Y. 1958 INCLUSIVE)

(Show Sale and Planned Cut By Calendar Year)

Name of Sale or Proposed Sale	Total Volume in Sale M.B.M.	Estimated Cut by Year			Operator Construction or Major Reconstruction FRD System		
		Year	MBM	Acres	Road Number	Miles	Cost
O'Neil Creek	2M	1954	2M	180	4616	1	
McKinney Creek	5M	1954	5M	500	4615	4	
O'Neil Creek	2M	1955	2M	180	4616	1	
Hamburg Gulch	11M	1955	11M	900	4714	5	
O'Neil Creek	2M	1956	2M	180	4614	1	
Lower Salt Gulch	11M	1956	11M	900	4714	2	
O'Neil Creek	2M	1957	2M	180	4614	1	
Upper Salt Gulch	11M	1957	11M	900	4714	1	
O'Neil Creek	2M	1958	2M	180	4614	1	
Lower West Fork	11M	1958	11M	900	4713	3	

Revised 2/12/54
(Date)

By J. E. Moore

Title D.R.

254-R5-12/22/53

APPENDIX

(A) Volume Calculation

Unit - 5 U.S.F.S. 10% Cruise - site above average
Units - 6, 7, 8A & 14 - No cruise, site comparable to Beaver Creek-below average

Volumes determined by applying Beaver Creek B.R.C. study age-density factors to areas of the Horse Creek Working Circle:

Age	Density	Factor-Volume Per Acre	UNIT 5 Area	UNIT 5 Vol. MM	UNITS 6,7, & 8 Area	UNITS 6,7, & 8 Vol. MM
0	3	25.0°	212	5.5		
OY	1	35.0	3,480	121.8	1,256	44.0
	2	24.2	6,615	160.1	2,054	49.7
	3	20.3	3,661	74.3	5,335	108.3
YO	1	30.0°	154	4.6	371	11.1
	2	25.5	879	22.4	1,317	33.6
	3	14.8	4,118	60.1	3,121	46.2
Y	1	32.0°	-		330	10.6
	2	25.0°	-		377	9.4
	3	14.0°	-		79	1.1
Volume total by units			19,119	448.8	14,240	314.0

Volume Unit 5, from U.S.F.S. cruise 595.8 MM
Total Volume:- Cruise for Unit 5 + Age density for 6, 7 & 8 = 909.8, rounded to 909 MM

Factor - Units 5 volume from cruise/volume from age-density = 1.329, for growth calculation

°Estimate based on Forest survey and Humbug Exchange factors.

APPENDIX

(B)

Calculation Of Growth

Growth Prediction Using Beaver Creek B.R.C.
Growth Factors (See Yreka Working Circle Plan)

Age	Density	Net B.F. Growth per Acre	UNIT 5 Acres	UNIT 5 Ann. Growth M B M	UNITS 6, 7 & 8 Acres	UNITS 6, 7 & 8 Ann. Growth M B M
0	3	130	212	27.5	-	-
OY	1	263	3480	915.2	1,256	330.3
	2	235	6615	1554.5	2,054	482.7
	3	143	3661	523.5	5,335	762.9
YO	1	240°	154	36.9	371	89.0
	2	161	879	141.5	1,317	212.0
	3	140	4118	576.5	3,121	436.9
Y	1	603°	-		330	199.0
	2	411°	-		377	154.9
	3	211°	-		79	16.7
Total Area and Growth			19,119	3776M	14,240	2684
Factor for adjusting Unit #5 Growth, (see volume calculations)				1.329		
Adjusted Net Annual Growth				5,018		2684

Total All Units MBM Annually 7702

Rounded Off to 7.7 MM Bd. Ft. Annually

Allowable Cut 1.5 X Growth = 11.5 MM Bd. Ft. Annually

°Estimated Growth - 84.4% of Forest Survey factors as determined for Yreka Working Circle.

APPENDIX

(C)

Area By Age Class And Ownership

Age Class	National Forest	Private	Total
Merchantable			
O, OY, & YO - 1, 2, & 3	32,573	15,142	47,715
Young Growth			
Y	786	599	1,385
Deforested			
Density 4 Y5, 5	17,950	5,341	23,291
Non-Timber			
N, N- N/	12,657	3,702	16,359
Total Area	63,966	24,784	88,750

total 51,300 acres

S-IMPROVEMENTS, Timber Access Roads
E-ROADS & TRAILS, Programs (Timber Access Roads)

1/15/53
Date

TIMBER MANAGEMENT ACCESS ROAD REPORT

Horse Creek Working Circle

Region 5 State **California** Forest **Klamath**

1. Forest Development Road System

	Existing		Ultimate System
	Satisfactory:	Unsat:	
a. Timber access roads	13.0 Miles:	57.1 :Miles:	144.1 Miles
b. General-purpose roads serving timber.	- Miles:	3.0 :Miles:	3.0 Miles

2. Timber Production

a. Sustained yield cutting capacity - next 10-year period	11.5	MMBF Annually
b. Current rate of cutting, N. F. timber	6	MMBF Annually
c. Current rate of cutting, other timber	4	MMBF Annually
d. Effect upon current rate of cutting N.F. timber if public access road construction funds are completely discontinued.		MMBF Annually

3. Access Road Construction and Reconstruction Requirements

a. To maintain current rate of N.F. cutting

	Average Annual Requirements	
	Miles :	$
F. S. Construction	2.2 :	103,000
Other Public Construction	- :	-
F.S. Operator Construction	2.8 :	13,400
Other Private Construction	1.2 :	6,000

b. To increase rate of N.F. cutting to sustained yield capacity

	Total Requirements	
	Miles :	$
F. S. Construction	- :	°48,000
Other Public Construction	- :	-
F. S. Operator Construction	10.8 :	50,000
Other Private Construction	- :	-

c. To maintain increased rate of N.F. cutting at sustained yield level

	Average Annual Requirements	
	Miles :	$
F. S. Construction	- :	°9,000
Other Public Construction	.3 :	2,700
F. S. Operator Construction	2.6 :	15,140
Other Private Construction	2.0 :	10,800

°F. S. Engineering & Drainage

RO-116-R5
1/5/53

Exhibit #1

RECORD OF CUT - SAWTIMBER
(Separate sheet for each unit.)

Forest Klamath
Working Circle All
Compartment

YEAR 1955	Volumes in M feet board measure: Ponderosa and/or Jeffrey Pine	Douglas Fir	White Fir and/or Red Fir	Sugar Pine	Lodgepole Pine	Incense Cedar	Miscellaneous or Other	TOTALS	ACRES
Yreka	1,287	2,466	755	1,093		30		5,631	650
Horse Creek	692	695	588	212		7		2,194	160
Seiad	2,344	10,337	324	1,531		69		14,605	990
Happy Camp	1,029	43,558	705	5,543		358	466	51,659	4,020
Somes Bar	34	8,083	261	678				9,056	660
Salmon River	2,250	1,848	123	4,901		18		9,140	810
South Scott	6,084	597	360	861		187		8,089	1,060
North Scott	305	12	0	8		14		339	120
Total	14,025	67,596	3,116	14,827		683	466	100,713	8,420

RO-122-R5
(2/1/52)

January 13, 1956

Forest Klamath
Working Circle All
Compartment

Exhibit #3

RECORD OF UNREGULATED TIMBER AND FOREST PRODUCTS CUT

YEAR 1955	Miscellaneous Convertible Products - Volumes M Feet B.M.							Non-convertible Products	
	Pulpwood or Similar	Poles	Posts	Fuelwood Cordwood	Ties	Misc. or Other	TOTAL MBM	Christmas Trees No. Trees	Miscellaneous
Yreka			9				9	662	
Horse Creek							None		
Seiad							None	177	
Happy Camp				10			10	100	
Somes Bar							None		20# Ferns
Salmon River							None		
South Scott			3				3	1160	
North Scott		1	11	2			14		
Total		1	23	12			36	2099	20# Ferns

RO-121-R5
(2/1/52)

January 13, 1956

Exhibit #1

RECORD OF CUT - SAWTIMBER
(Separate sheet for each unit.)
1954

Forest Klamath
Working Circle ALL
Compartment

Working Circle	Volumes in M feet board measure: Ponderosa and/or Jeffrey Pine	Douglas Fir	White Fir and/or Red Fir	Sugar Pine	Lodgepole Pine	Incense Cedar	Miscellaneous or Other	TOTALS	ACRES
Happy Camp	2,529	48,280	528	8,266	-	450	368	60,592	4,896
Horse Creek	126	135	5	35	-	-	-	300	40
South Scott	145	58	60	24	2	18	-	313	32
North Scott	220	220	2	42	-	5	-	267	40
Yreka	4,750	4,258	4,686	1,732	-	140	-	15,575	2,240
Seiad	505	5,609	40	480	-	-	-	6,634	526
Salmon River	2,268	4,629	1,206	1,418	-	45	-	9,566	880
Somes Bar	-	-	-	-	-	-	-	-	-
Totals	10,508	63,180	6,534	11,997	2	658	368	93,247	8,640

TM, RO, February 1, 1952

1/14/55

Exhibit #1

RECORD OF CUT - SAWTIMBER
(Separate sheet for each unit.)

Forest _____
Working Circle _____
Compartment _____

YEAR	Volumes in M feet board measure							TOTALS	ACRES
	Ponderosa and/or Jeffrey Pine	Douglas Fir	White Fir and/or Red Fir	Sugar Pine	Lodgepole Pine	Incense Cedar	Miscellaneous or Other		
1951								6,600	505
1952	677	2911	46	497				4131	350
1953									
1954									
1955									
1956									
1957	3914	3198	331	1015	—	60	—	8518	1,240

RO-122-R5
(2/1/52)

Exhibit #2

CUMULATIVE RECORD OF CUT - SAWTIMBER

Forest _____

Working Circle _____

YEAR	Volume MBM		Acres		Volume MBM		Acres		Volume MBM		Acres	
	Current	Cumulative	Current	Cumulative	Current	Cumulative	Current	Cumulative	Current	Cumulative	Current	Cumulative
1952	6,600		505									
1953	4,131		350									
1954												
1955												
1956												
1957	8518		1240									

Total Annual Allowable Cut: 13,000

RO-120-R5
(2/1/52)

Forest _____
Working Circle _____
Compartment _____

Exhibit #3

RECORD OF UNREGULATED TIMBER AND FOREST PRODUCTS CUT

YEAR	Miscellaneous Convertible Products - Volumes M Feet B.M.							Non-convertible Products	
	Pulpwood or Similar	Poles	Posts	Fuelwood Cordwood	Ties	Misc. or Other	TOTAL MBM	Christmas Trees No. Trees	Miscellaneous

RO-121-R5
(2/1/52)